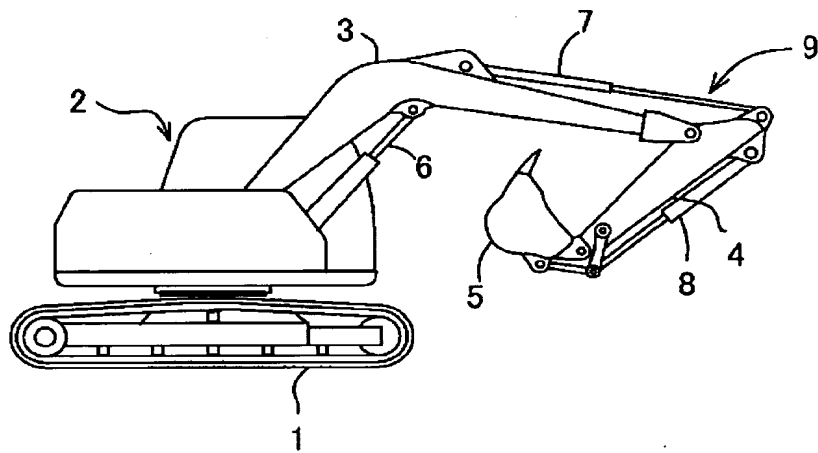


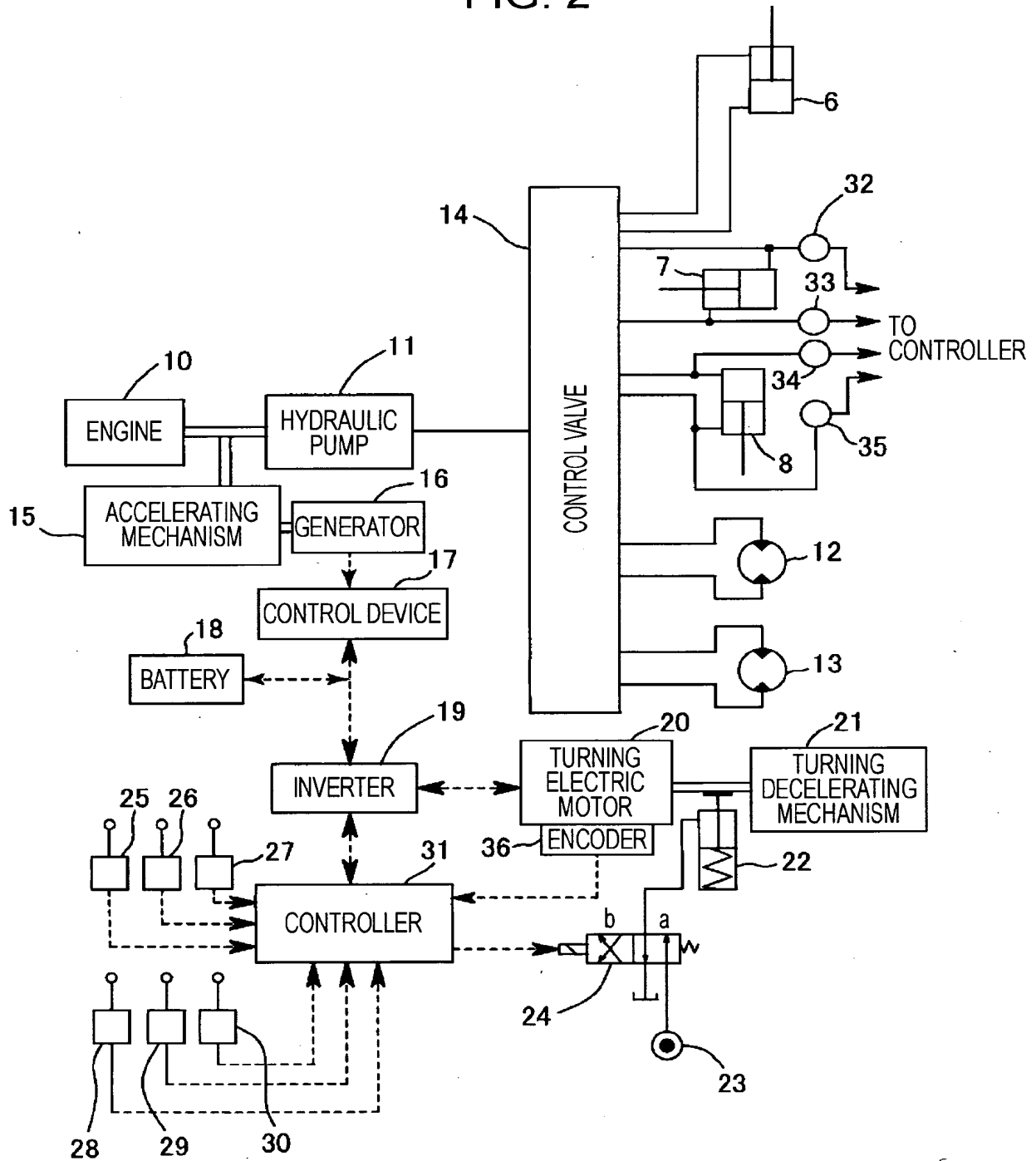
1 / 10

FIG. 1



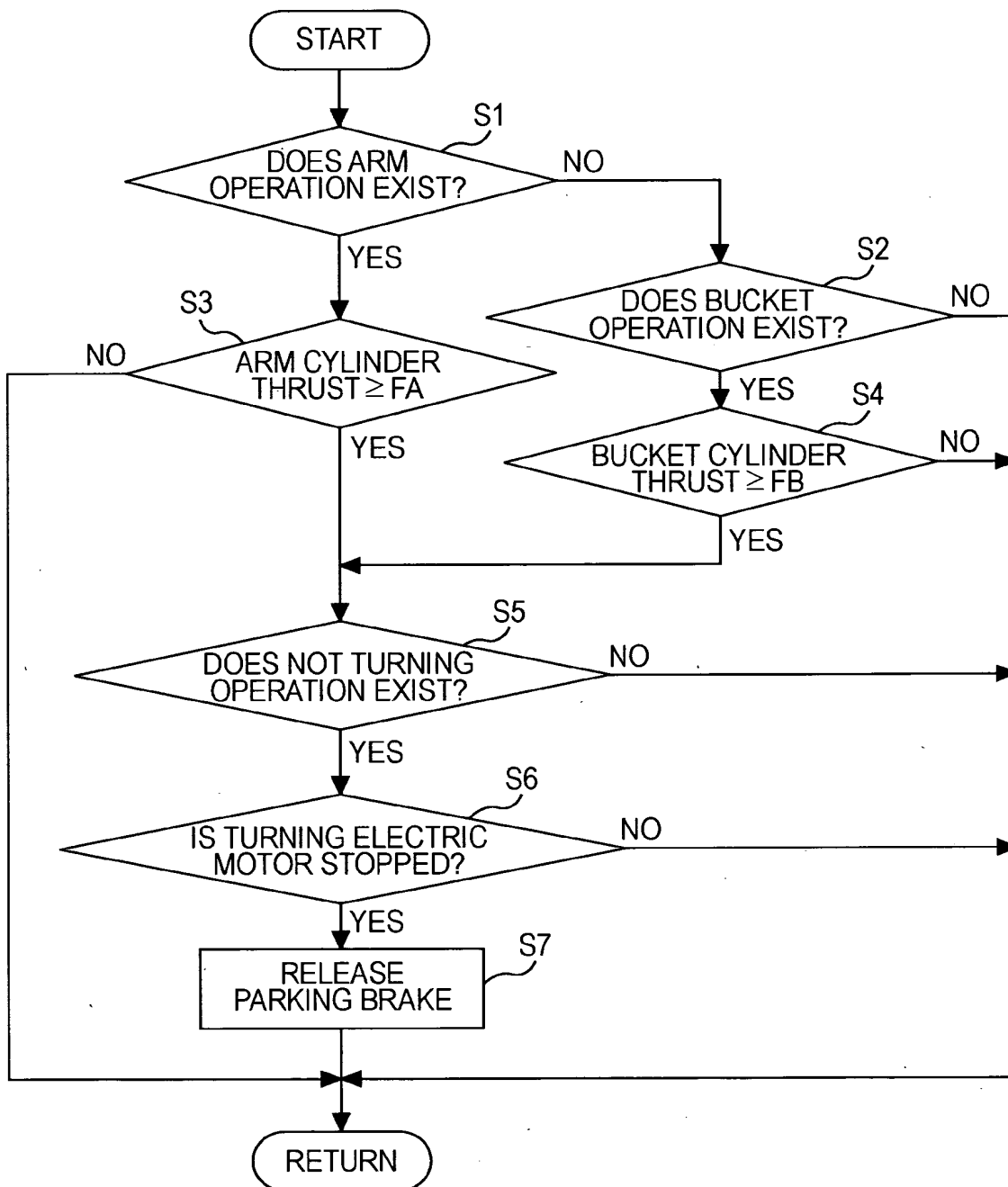
2/10

FIG. 2



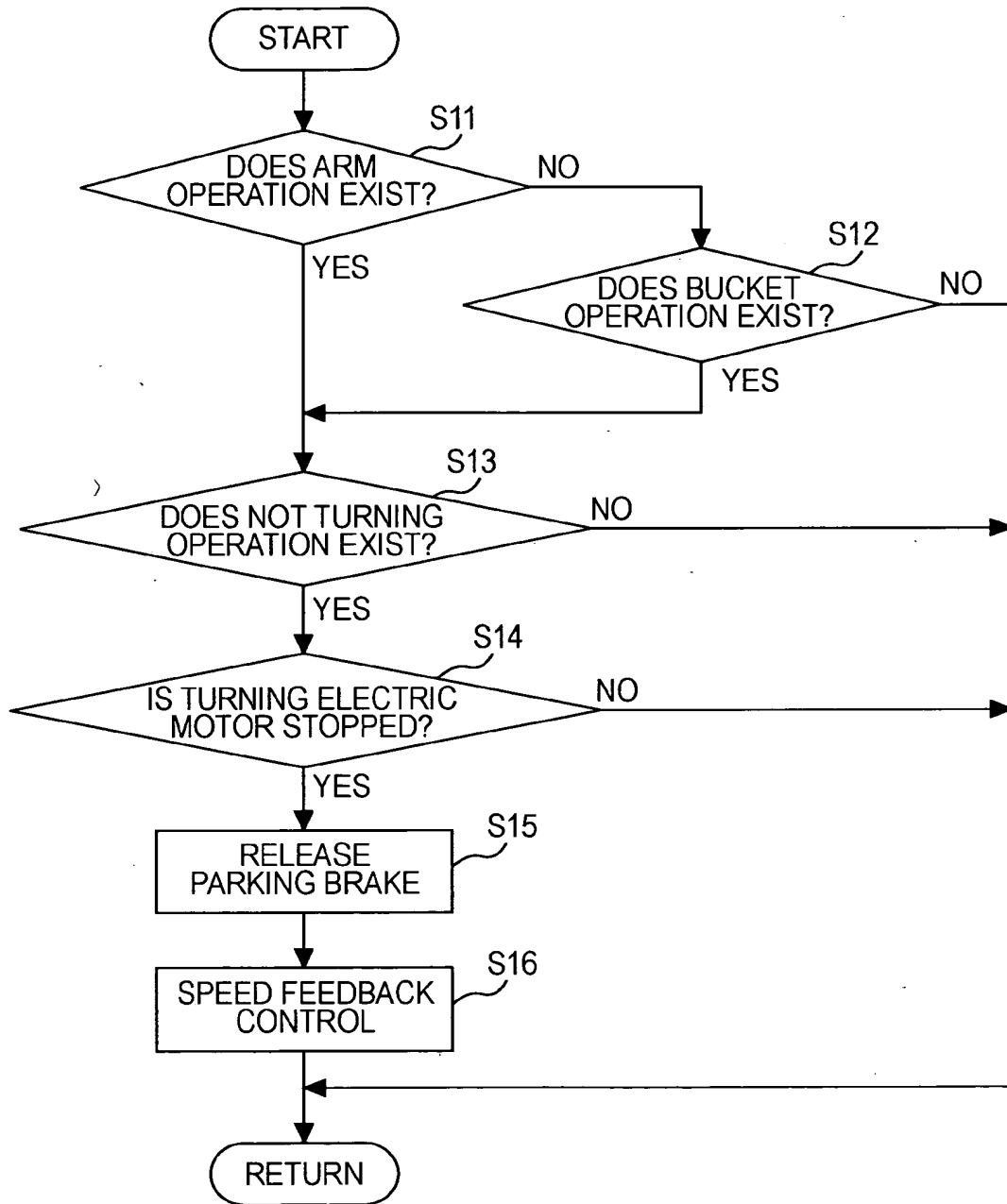
3/10

FIG. 3



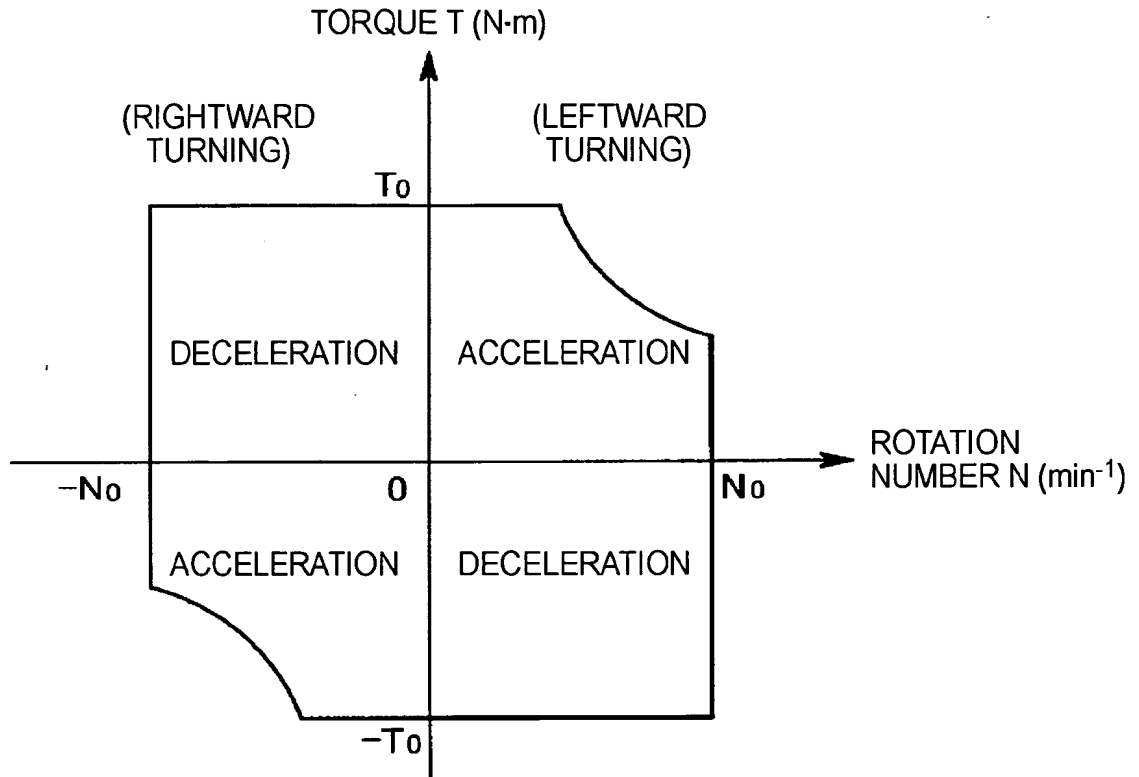
4 / 10

FIG. 4



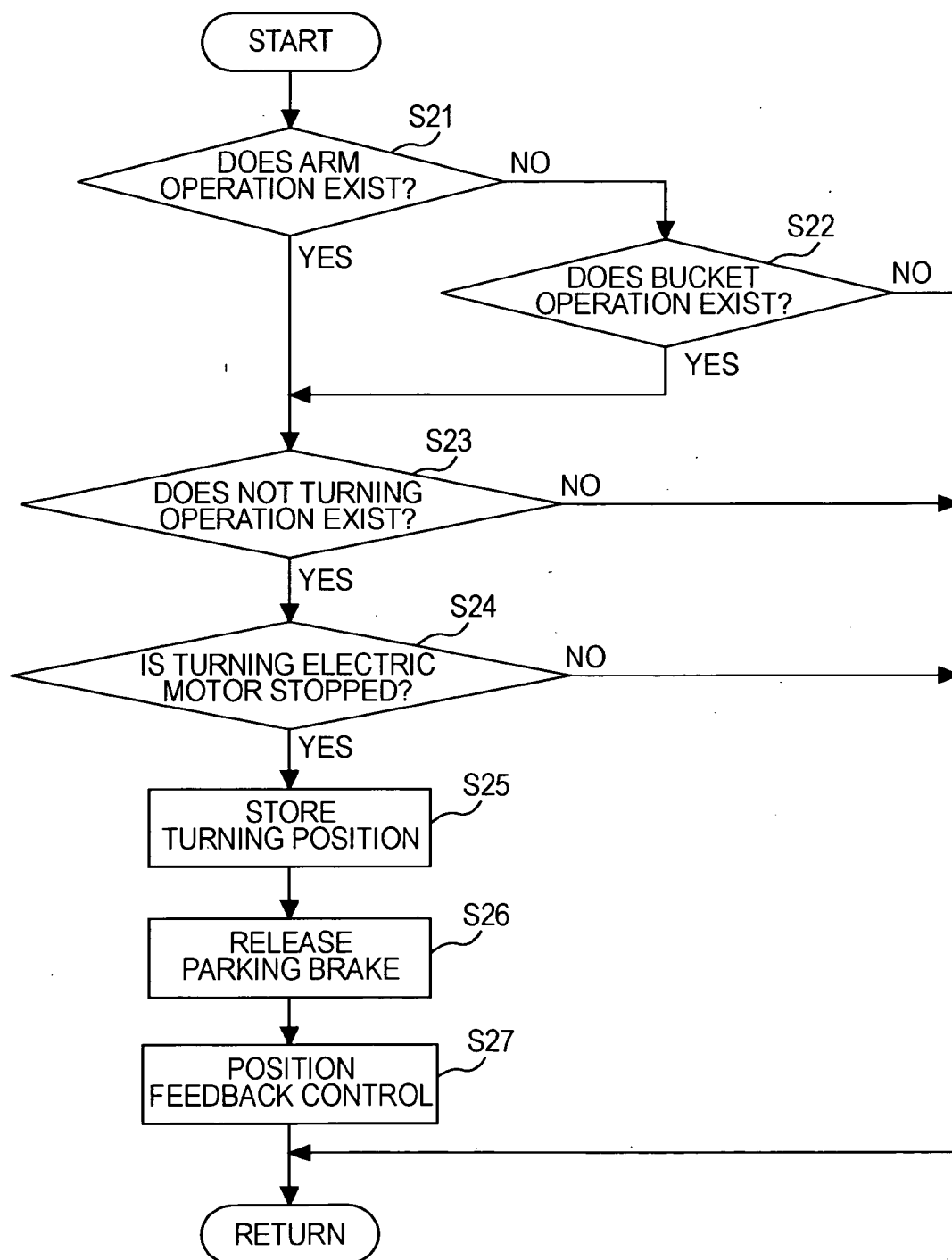
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FIG. 5



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FIG. 6



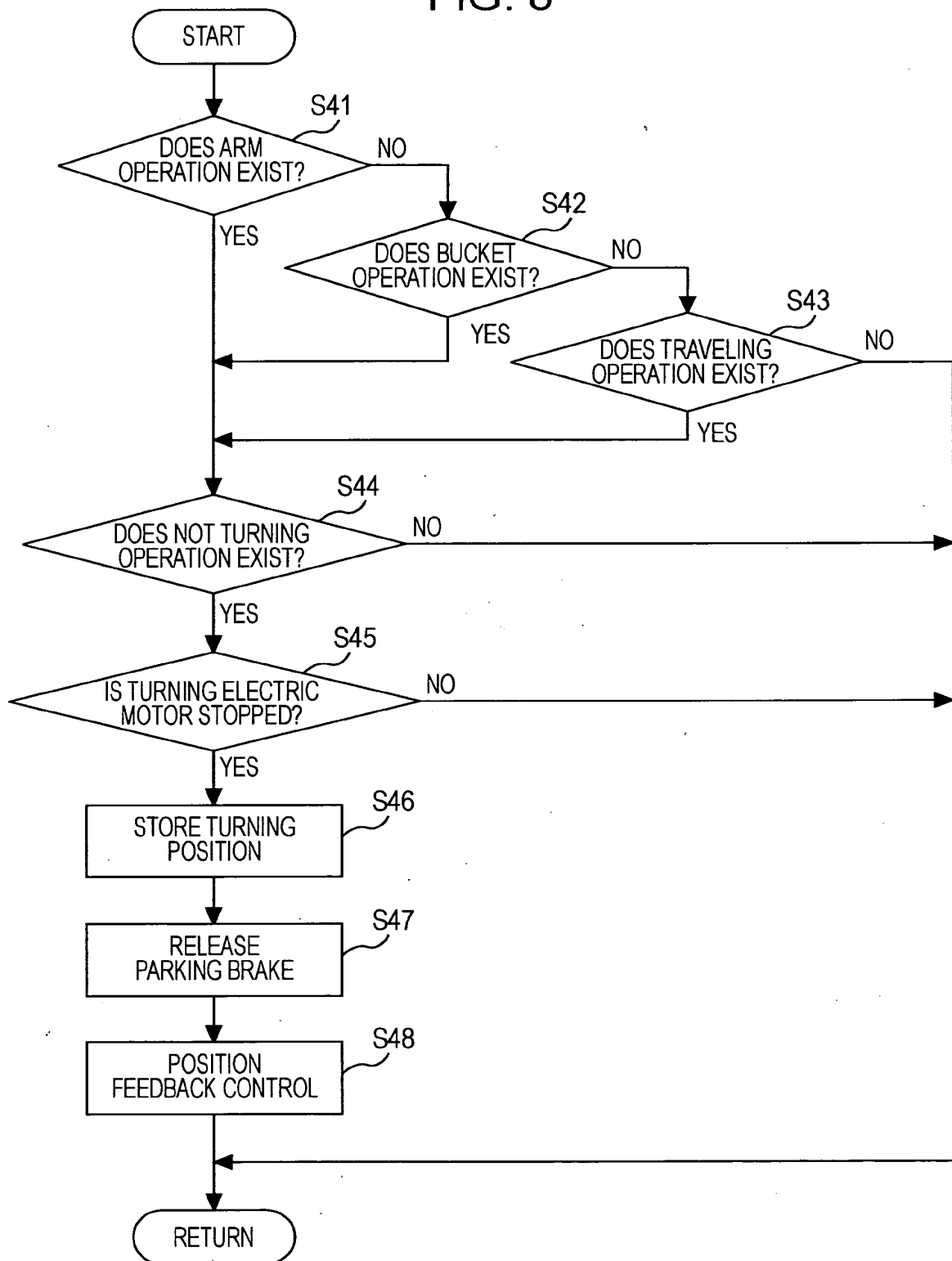
```

graph TD
    START([START]) --> S31{DOES ARM OPERATION EXIST?}
    S31 -- YES --> S33{ARM CYLINDER THRUST ≥ FA}
    S31 -- NO --> S32{DOES BUCKET OPERATION EXIST?}
    S32 -- YES --> S34{BUCKET CYLINDER THRUST ≥ FB}
    S32 -- NO --> S35{DOES NOT TURNING OPERATION EXIST?}
    S34 -- YES --> S35
    S34 -- NO --> S35
    S33 -- YES --> S35
    S33 -- NO --> S35
    S35 -- YES --> S36{IS TURNING ELECTRIC MOTOR STOPPED?}
    S35 -- NO --> S35
    S36 -- YES --> S37[STORE TURNING POSITION]
    S36 -- NO --> S35
    S37 --> S38[RELEASE PARKING BRAKE]
    S38 --> S39[POSITION FEEDBACK CONTROL]
    S39 --> S35
    S35 --> RETURN([RETURN])

```

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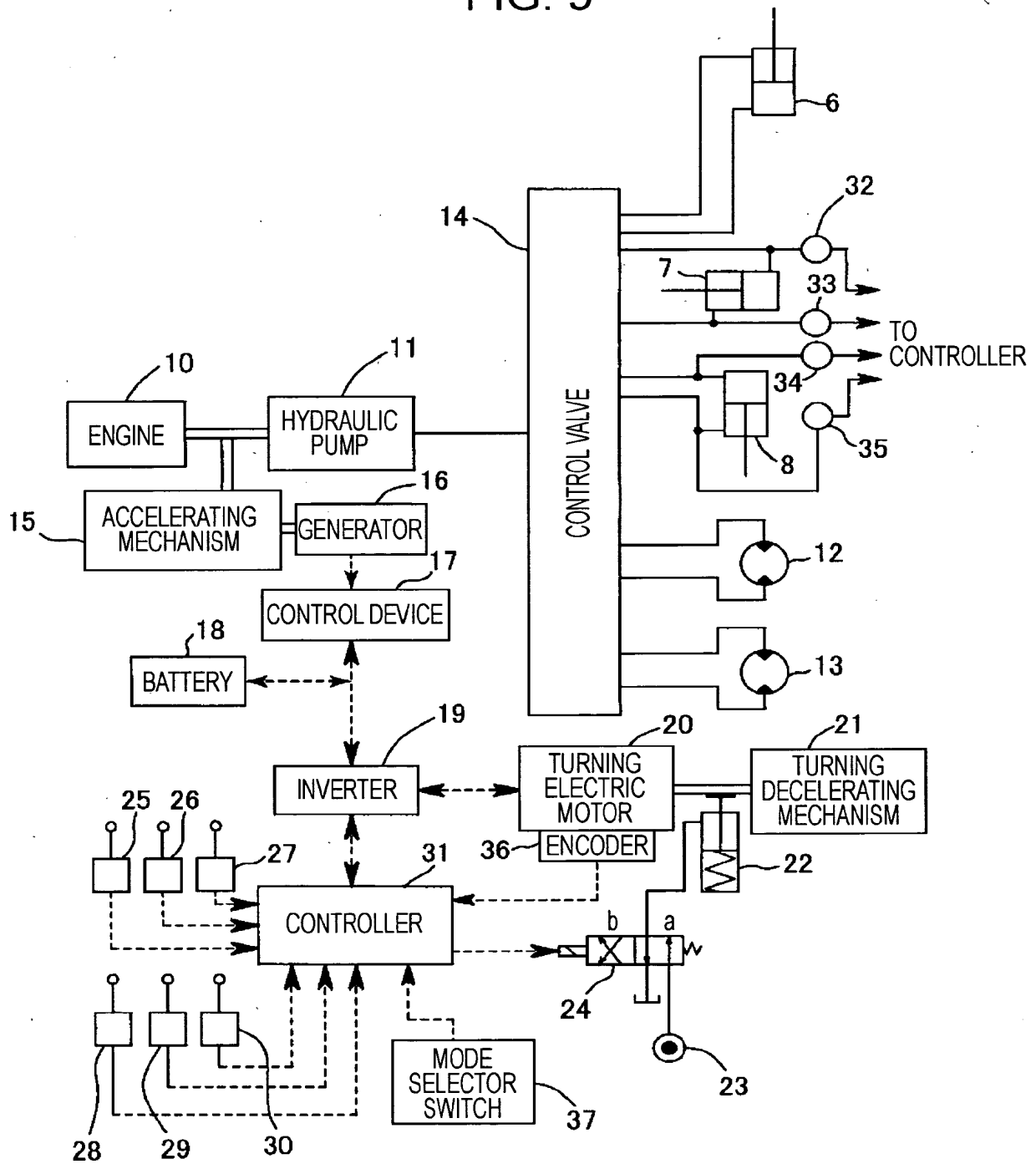
FIG. 8





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FIG. 9



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FIG. 10

